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## Federal Implementation Guideline for Electronic Data Interchange

### ASC X12 003050 Transaction Set 839F Project Cost Reporting

#### Implementation Convention

**NIST**

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<sup>1</sup>At Boulder, CO 80303.

<sup>2</sup>Some elements at Boulder, CO.

# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003050 Transaction Set 839F Project Cost Reporting**

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

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**U.S. DEPARTMENT OF COMMERCE**  
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# 839 Project Cost Reporting

Functional Group ID=**PK**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Project Cost Reporting Transaction Set (839) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides the transmission of cost and schedule information to support performance measurement (earned value), program management reporting, and contract funds status reporting. This transaction set will also support the Department of Defense (DoD), Department of Energy (DoE), NASA, and other government agency Cost/Schedule Control Systems Criteria (C/SCSC) and funds status reporting requirements. It is designed to serve the needs of government agencies, prime contractors, and their subcontractors.

## Notes:

- 1. This implementation convention addresses how the 839 Project Cost Reporting transaction set can be used to send Contract Funds Status Report (CFSR) data electronically to a government customer.*
- 2. This implementation convention is designed to be used when a Contract Data Requirements List (CDRL) for a given contract specifies the Contract Funds Status Report (CFSR) Data Item Description (DID) DI-MGMT-81468.*
- 3. There are two appendices for this implementation convention. The example appendix provides additional reference information on how this transaction set is used to exchange funds data electronically. The other appendix is a form cross reference table that outlines how the CFSR DID requirements are mapped to the X12 standard EDI format.*

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BCS	Beginning Segment for Project Cost Reporting	M	1		
	030	REF	Reference Numbers	O	100		
Not Used	040	DLV	Deliverable Information	O	10		
Must Use	050	AMT	Monetary Amount	O	30		
Not Used	060	PCT	Percent Amounts	O	30		
Must Use	070	DTM	Date/Time Reference	O	30		
LOOP ID - CFT						100	
Must Use	080	CFT	Cost Reporting Format Type	M	1		
Must Use	085	CAL	Calendar	O	50		
LOOP ID - BSD						>1	
Must Use	090	BSD	Breakdown Structure Description	O	1		
	100	REF	Reference Numbers	O	100		
	105	DTM	Date/Time Reference	O	50		
Must Use	110	AMT	Monetary Amount	O	100		
Not Used	115	QTY	Quantity	O	100		
	120	PAM	Period Amount	O	100		
Not Used	130	PCT	Percent Amounts	O	100		
	140	MSG	Message Text	O	1000		
LOOP ID - N1						200	
Must Use	150	N1	Name	M	1		n1
	160	N2	Additional Name Information	O	1		

**839F Project Cost Reporting (Funds Status)**

	170	N3	Address Information	O	1
	180	N4	Geographic Location	O	1
Must Use	190	PER	Administrative Communications Contact	O	10
Not Used	195	REF	Reference Numbers	O	10
Must Use	200	DTM	Date/Time Reference	O	10
Must Use	210	SE	Transaction Set Trailer	M	1

**Transaction Set Notes**

1. At least one iteration of the N1 loop is required to identify the contractor.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 839 X12.31 Project Cost Reporting	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set or by the originator's application system. This number is the same as the number in SE02.</i>	M AN 4/9



**Segment:** **BCS** Beginning Segment for Project Cost Reporting

**Position:** 020

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the project cost reporting transaction set, and information to identify a program name, number, contract type, and security classification.

**Syntax Notes:**

**Semantic Notes:**

- 1 BCS02 is the transaction set date.
- 2 BCS04 is the report effective date.
- 3 BCS06 is the program name.
- 4 BCS07 is the program number identification.
- 5 BCS10 is the customer share ratio number.
- 6 BCS11 is the contractor share ratio number.
- 7 BCS12 is the notation for the total project monetary costs.  
If BCS12 is absent, the total project monetary costs are assumed to be whole dollar amounts.

**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BCS01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original <i>This code is typically used for transmitting the funds status data.</i>	
			05 Replace <i>Use this code to overwrite any previously transmitted data for a given reporting period - i.e., old data is deleted and new data is entered into the database.</i>	
			14 Advance Notification <i>Use this code in the event preliminary funds status data must be transmitted for a given reporting period. This preliminary transmission is then followed with a final transmission (code 20) to provide the final funds status data for the given reporting period.</i>	
			20 Final Transmission <i>Use this code to transmit final funds status data when preliminary data (code 14) has been sent for a given reporting period.</i>	
			22 Information Copy	
Must Use	BCS02	373	Date Date (YYMMDD)	M DT 6/6
			<i>Enter the date the data report was created. This date is used for reference purposes only.</i>	
Must Use	BCS03	367	Contract Number Contract number	M AN 1/30
			<i>Enter the contract number.</i>	



Must Use BCS04 373

Date  
Date (YYMMDD)

M DT 6/6

*Enter the report effective date, this is typically the reporting period end date.*

Must Use BCS05 1166

Contract Type Code

O ID 2/2

Code identifying a contract type

CW Cost Plus Award Fee  
 CX Cost Plus Fixed Fee  
 CY Cost Plus Incentive Fee  
 FD Fixed Price Redetermination  
 FE Fixed Price with Escalation  
 FI Fixed Price Incentive  
 FR Firm Fixed Price  
 OC Other Contract Type

A type of contract which is neither covered by an  
 existing code nor previously mutually defined

*Use the REF (1/030) segment to provide a description  
 of the contract type when this code is used.*

TM

Time and Materials

Must Use BCS06 352

Description

O AN 1/80

A free-form description to clarify the related data elements and their content

*Provide a name or short description of the program.*

Not Used BCS07 127

Reference Number

O AN 1/30

Reference number or identification number as defined for a particular  
 Transaction Set, or as specified by the Reference Number Qualifier.

Not Used BCS08 1193

Program Type Code

O ID 2/2

Codes identifying a program type

BCS09 786

Security Level Code

O ID 2/2

Code indicating the level of confidentiality assigned by the sender to the  
 information following

*Typically all data is assumed to be company proprietary information and is  
 treated as government non-classified information (code 90). In the event  
 codes 92, 93, or 94 are used, additional security measures such as encryption  
 are used to protect the data.*

11 Competition Sensitive  
 90 Government Non-Classified  
 92 Government Confidential  
 93 Government Secret  
 94 Government Top Secret

Not Used BCS10 954

Percent

O R 1/10

Percentage expressed as a decimal

Not Used BCS11 954

Percent

O R 1/10

Percentage expressed as a decimal

BCS12 355

Unit or Basis for Measurement Code

O ID 2/2

Code specifying the units in which a value is being expressed, or manner in  
 which a measurement has been taken

*Use this data element to indicate all total contract monetary amounts have  
 been factored (for example, numbers represent dollars in thousands). Use  
 the CFT (Cost Reporting Format Type) segment to indicate the monetary  
 amount factor used for a given funds status report at the detail level.*

DO Dollars, U.S.

*Use this code when the monetary amounts have NOT*

*been factored.*

HU

Hundred

*Use this code to indicate monetary amounts have been factored by a hundred -- i.e., hundreds of dollars.*

R5

Thousands of Dollars

R6

Millions of Dollars

**Segment:** **REF** Reference Numbers  
**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
			93 Funds Authorization Reference numbers to identify funds authorization (document or other reference number) in the government contracting environment <i>Use this code to provide a unique reference number for this Project Cost Reporting (839) transaction set and contract funds status data. Enter the unique reference number for this transaction set in REF02. Use this code only one time for each 839 transaction set.</i>	
			AT Appropriation Number <i>Typically, CFT08 (Appropriation Code) is used to identify the type or general category of appropriation. Use this code along with REF03 to provide a description of the appropriation (name). This code can also be used when CFT08 is code "ZZ" (used for other appropriation types) to provide a description of the appropriation type.</i>	
			C4 Change Number <i>Use this code to identify the latest modification number associated with the contract number. Enter the number in REF02.</i>	
			CT Contract Number <i>Use this code when BCS05 is code "OC" for other contract types. Enter the description of the contract type in REF03.</i>	
			DX Department/Agency Number <i>Use this code to provide a DoD Component name. Enter the name of the DoD Component in REF03.</i>	
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>Use this data element when REF01 is code 93 or C4.</i>	X AN 1/30
	REF03	352	Description	X AN 1/80



A free-form description to clarify the related data elements and their content  
*Use this data element when REF01 is code AT, CT, or DX.*

**Segment:** **AMT** Monetary Amount  
**Position:** 050  
**Loop:**  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 30  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

*This segment is required. Use this segment to provide all header (i.e., title block) monetary amount information.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount	M ID 1/2
			64 Initial Contract Price Target Value of initial negotiated contract target price	
			65 Initial Contract Price Ceiling Value of initial negotiated contract ceiling price	
			66 Adjusted Contract Price Target Value of initial contract plus supplemental agreements	
			67 Adjusted Contract Price Ceiling Value of adjusted ceiling price	
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15
<i>For all monetary amounts, if entering factored monetary amount such as thousands of dollars (notation from BCS12), use only one decimal place when applicable.</i>				
Not Used	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

Segment: **DTM** Date/Time Reference

Position: 070

Loop:

Level:

Usage: Optional (Must Use)

Max Use: 30

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

*This segment is required. Use this segment to provide all header (i.e., title block) date information.*

### Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		283	Funds Appropriation - Start	
			The date that funds appropriation begins	
			<i>Use this code to indicate the beginning date for the contract funding.</i>	
		284	Funds Appropriation - End	
			The date that funds appropriation ends	
			<i>Use this code to indicate the ending date for the contract funding.</i>	
		723	Current Month Ending	
			<i>Use this code to indicate the current report date for the funds status data.</i>	
		724	Previous Month Ending	
			<i>Use this code to indicate the previous report date for the funds status data.</i>	
Must Use	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
Not Used	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	



**Segment:** **CFT** Cost Reporting Format Type

**Position:** 080

**Loop:** CFT Mandatory

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify the cost reporting type, type of units reported, and funds details for the Contract Funds Status Report (CFSR)

**Syntax Notes:**

- Semantic Notes:**
- 1 If CFT01 equals CY, then CFT03, CFT04, CFT05, CFT06, CFT07 and CFT08 are required.
  - 2 CFT02 is the notation for the report monetary costs or quantities.  
If CFT02 is blank, the report monetary costs are assumed to be in whole dollar amounts.
  - 3 CFT04 and CFT05 are used for the funds appropriation start date.
  - 4 CFT06 and CFT07 are used for the funds appropriation end date.

**Comments:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	CFT01	755	<b>Report Type Code</b>	<b>M ID 2/2</b>
			Code indicating the title or contents of a document, report or supporting item	
			CY Contract Funds Status Report (CFSR)	
			Status report for funds appropriation including commitments, actual cost, forecast of billings, and estimated termination costs	
Must Use	CFT02	355	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Use this data element to indicate the monetary amount factor for the funds status report detail data.</i>	
			DO Dollars, U.S.	
			<i>Use this code when the monetary amounts have NOT been factored.</i>	
			HU Hundred	
			<i>Use this code to indicate the monetary amounts have been factored by a hundred -- i.e., hundreds of dollars.</i>	
			R5 Thousands of Dollars	
			R6 Millions of Dollars	
	CFT03	1198	<b>Contracting Funding Code</b>	<b>O ID 2/2</b>
			Code identifying the funding type	
			01 Multi-Year Procurement	
			Contract procurement that extends beyond one year	
			02 Incrementally Funded Contract (INC)	
			Contract funded in increments based on agreed performance criteria	
			03 Contract for a Single Year (SYC)	
			Funding for a contract for a single, specific year	
	CFT04	374	<b>Date/Time Qualifier</b>	<b>O ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			090 Report Start	

**CFT05 373 Date****O DT 6/6**

Date (YYMMDD)

*For contracts which are financed with funds appropriated in more than one fiscal year, enter the fiscal year start date for this report.*

**CFT06 374 Date/Time Qualifier****O ID 3/3**

Code specifying type of date or time, or both date and time

091

Report End

**CFT07 373 Date****O DT 6/6**

Date (YYMMDD)

*For contracts which are financed with funds appropriated in more than one fiscal year, enter the fiscal year ending date for this report.*

**CFT08 1199 Appropriation Code****O ID 2/2**

Code indicating the funds appropriation

01

Research, Development, Test &amp; Evaluation (RDT&amp;E)

02

Procurement (PROC)

03

Operations and Maintenance (O&amp;M)

04

Military Construction (MILCOM)

ZZ

Mutually Defined

*Use this code when other appropriation types need to be identified. Use the REF (1/030) segment to provide this information (REF01 is code AT, REF03 contains the appropriation description).*

**Segment:** **CAL** Calendar  
**Position:** 085  
**Loop:** CFT Mandatory  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 50  
**Purpose:** To identify the calendar and working shift details for the plan or schedule  
**Syntax Notes:** 1 If either CAL14 or CAL15 is present, then the other is required.  
**Semantic Notes:** 1 CAL01 identifies whether a reference number is a calendar or shift.  
**Comments:**  
**Notes:**

*This segment is required and used to describe the projected time frame columns at the bottom of the funds status report. Repeat this segment as needed to describe each projected time frame column. This includes a period number reference, number of reporting periods in a given time frame, and a short description.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CAL01	128	Reference Number Qualifier Code qualifying the Reference Number. 70 Calendar Number Identifies a working calendar (for example, Monday through Friday) for a company, division, or labor group	M ID 2/2
Must Use	CAL02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>Enter the period number "1", "2", "3", "4", "5", "6", "7", "8", or "9" to identify the projected time frames.</i>	M AN 1/30
Not Used	CAL03	344	Unit of Time Period or Interval Code indicating the time period or interval	O ID 2/2
Not Used	CAL04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	O ID 3/3
Not Used	CAL05	373	Date Date (YYMMDD)	O DT 6/6
Not Used	CAL06	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
Not Used	CAL07	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	CAL08	678	Ship/Delivery or Calendar Pattern Code Code which specifies the routine shipments, deliveries, or calendar pattern	O ID 1/2
Not Used	CAL09	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	O ID 3/3
Not Used	CAL10	373	Date Date (YYMMDD)	O DT 6/6
Not Used	CAL11	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8



Not Used	CAL12	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID 2/2
Not Used	CAL13	678	<b>Ship/Delivery or Calendar Pattern Code</b> Code which specifies the routine shipments, deliveries, or calendar pattern	O	ID 1/2
Must Use	CAL14	673	<b>Quantity Qualifier</b> Code specifying the type of quantity 10 Calendar Units The number of calendar units such as 1 per day or 1 per week	X	ID 2/2
Must Use	CAL15	380	<b>Quantity</b> Numeric value of quantity <i>Enter the number of reporting months (or periods) for the projected time frame. For example, enter "3" for a quarter year, enter "12" for a fiscal or calendar year.</i>	X	R 1/15
	CAL16	369	<b>Free-form Description</b> Free-form descriptive text <i>Enter a short description of the projected time frame (for example, "FY98"). A maximum of four characters is recommended. This data element is optional.</i>	O	AN 1/45

**Segment:** **BSD** Breakdown Structure Description  
**Position:** 090  
**Loop:** BSD Optional (Must Use)  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To define discrete line items within industry or government reports  
**Syntax Notes:** 1 At least one of BSD02 or BSD03 is required.  
**Semantic Notes:** 1 BSD05 is the summary level structure code reference.  
**Comments:** 1 BSD07 is the summary level reporting structure identification.  
**Notes:** *This segment is required.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSD01	128	Reference Number Qualifier Code qualifying the Reference Number. 74 Work Breakdown Structure (WBS) A product-oriented family tree composed of hardware, software, services, and data that completely defines the project or program	M ID 2/2
Must Use	BSD02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>Enter the appropriate element code. The receiving application for the government may have certain requirements for the element codes. Confirm any element code requirements (content and number of characters) with your customer.</i>	X AN 1/30
	BSD03	352	Description A free-form description to clarify the related data elements and their content <i>This description is optional.</i>	X AN 1/80
Must Use	BSD04	1178	Level Reporting structure identification	O AN 1/3
Not Used	BSD05	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30
	BSD06	1196	Breakdown Structure Detail Code Codes identifying details relating to a reporting breakdown structure tree 01 Labor Direct labor costs 02 Material Direct material 04 Subcontract Direct subcontract 06 Labor Overhead Indirect costs associated with direct labor 07 Material Overhead Indirect costs associated with direct material 08 Other Overhead Indirect costs associated with other direct costs 33 General & Administrative 34 Cost of Money	O ID 2/2

Not Used	BSD07	1178	Level	O	AN 1/3
			Reporting structure identification		
Not Used	BSD08	786	Security Level Code	O	ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following		



**Segment:** **REF** Reference Numbers  
**Position:** 100  
**Loop:** BSD Optional (Must Use)  
**Level:**  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>The receiving application for the government may have certain requirements for the REF qualifiers you can use and the number of characters that can be entered in REF02. Confirm these details with your customer.</i>	M ID 2/2
			AT Appropriation Number <i>Use this code to provide an appropriation identification for the element code described in BSD02. Use this code only one time for each BSD reference.</i>	
			IX Item Number <i>Use this code for other line item reference numbers that relate to the element described in BSD02. Use this code only one time for each BSD reference.</i>	
Must Use	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

**Segment:** **DTM** Date/Time Reference  
**Position:** 105  
**Loop:** BSD Optional (Must Use)  
**Level:**  
**Usage:** Optional  
**Max Use:** 50  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM06 is required.  
2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

*Use this segment to provide any applicable date information for the element described in BSD02. Typically, this is the fiscal year that applies to the line item or element.*

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 581 Contract Period	M ID 3/3
Not Used	DTM02	373	Date Date (YYMMDD)	X DT 6/6
Not Used	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Must Use	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
Must Use	DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **AMT** Monetary Amount  
Position: 110  
Loop: BSD Optional (Must Use)  
Level:  
Usage: Optional (Must Use)  
Max Use: 100  
Purpose: To indicate the total monetary amount  
Syntax Notes:  
Semantic Notes:  
Comments:  
Notes:

*This segment is required.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/2
			Code to qualify amount	
		68	Funds Authorized to Date	
			Value of contract fund authorized from the beginning through the current reporting period	
		69	Accrued Expenditures	
			Actual cost to date	
			<i>Use this code for actual to date values.</i>	
		70	Open Commitments	
			Value of supplies or other items committed to for payment (such as on delivery of products)	
			<i>Use this code for actual to date values.</i>	
		71	Forecast of Billings	
			This is a forecast of billings to the government; includes cumulative amounts already billed (including progress or advance payments) and a forecast of amounts that will be billed to the government	
			<i>Use this code for actual to date values.</i>	
		72	Estimated Termination Costs	
			Cost that would be necessary to liquidate all government obligations if the contract were to be ended in that reporting period	
			<i>Use this code for actual to date values.</i>	
		73	Accrued Expenditures plus Open Commitments	
			Sum of actual costs and committed costs	
		74	Contract Work Authorized - Definitized	
			The estimated price for the authorized work including profit or fee, and incentive and cost sharing associated with projected over or under runs	
		75	Contract Work Authorized - Not Definitized	
			The estimate of the fund requirements for performing required work that firm contract prices have not yet been agreed to	
		76	Contract Work Authorized - Total	
			Sum of Contract Work Authorized - Definitized and Contract Work Authorized - Not Definitized	
			<i>Typically this value is calculated. Confirm with your</i>	



*customer if you need to transmit this information.*

- 77 Forecast of Work - Not Yet Authorized  
An estimate of fund requirements including fee or profit for changes proposed, but not yet directed by the customer
- 78 Forecast of Work - All Other  
An estimate of fund requirements for additional work that the contractor expects to do
- 79 Forecast of Work - Total  
Sum of Forecast Work - Not Yet Authorized and Forecast of Work - All Other  
*Typically this value is calculated. Confirm with your customer if you need to transmit this information.*
- 80 Funding - Total Requirements  
The estimate of total fund requirements for contract work authorized and forecast  
*Typically this value is calculated. Confirm with your customer if you need to transmit this information.*
- 81 Funds Carryover  
For incrementally funded contract, this is the amount that the prior Federal fiscal year funding was in excess of the prior year's requirement
- 82 Net Funds Required  
An estimate of net funds required, less funds carryover  
*Typically this value is calculated. Confirm with your customer if you need to transmit this information.*

Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15
<i>For all monetary amounts, if entering factored amounts such as thousands of dollars (notation from CFT02), use only one decimal place when applicable.</i>				
Not Used	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

**Segment:** **PAM** Period Amount  
**Position:** 120  
**Loop:** BSD Optional (Must Use)  
**Level:**  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To indicate a quantity, and/or amount for an identified period  
**Syntax Notes:**

- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
- 2 At least one of PAM02 or PAM05 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- 6 If PAM08 is present, then PAM07 is required.
- 7 If PAM09 is present, then PAM07 is required.
- 8 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 9 If PAM11 is present, then PAM10 is required.
- 10 If either PAM13 or PAM14 is present, then the other is required.

**Semantic Notes:** 1 PAM10, PAM11, or PAM12 are used when two dates are required.  
**Comments:**  
**Notes:**

*This segment is used for the projected time frame column values on the funds status report. The projected time frames used in this segment directly relate to the time frames described in the CAL segment for the funds status report.*

## Data Element Summary

	Ref.	Data			
	Des.	Element	Name	Attributes	
Not Used	PAM01	673	Quantity Qualifier	X	ID 2/2
			Code specifying the type of quantity		
Not Used	PAM02	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	PAM03	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Must Use	PAM04	522	Amount Qualifier Code	X	ID 1/2
			Code to qualify amount		
		69	Accrued Expenditures		
			Actual cost to date		
		70	Open Commitments		
			Value of supplies or other items committed to for payment (such as on delivery of products)		
		71	Forecast of Billings		
			This is a forecast of billings to the government; includes cumulative amounts already billed (including progress or advance payments) and a forecast of amounts that will be billed to the government		
		72	Estimated Termination Costs		
			Cost that would be necessary to liquidate all government obligations if the contract were to be ended in that reporting period		
Must Use	PAM05	782	Monetary Amount	X	R 1/15
			Monetary amount		
Must Use	PAM06	344	Unit of Time Period or Interval	X	ID 2/2
			Code indicating the time period or interval		
		CY	Calendar Year		
		FY	Fiscal Year		
		MO	Month		

			QY SA	Quarter of a Year Semiannual		
Must Use	PAM07	374	<b>Date/Time Qualifier</b>		X	ID 3/3
			Code specifying type of date or time, or both date and time			
			174	Month Ending		
			194	Period End		
			404	Year Ending		
Must Use	PAM08	373	<b>Date</b>		X	DT 6/6
			Date (YYMMDD)			
			<i>Enter the month, period, or year ending date.</i>			
Not Used	PAM09	337	<b>Time</b>		X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	PAM10	374	<b>Date/Time Qualifier</b>		X	ID 3/3
			Code specifying type of date or time, or both date and time			
Not Used	PAM11	373	<b>Date</b>		X	DT 6/6
			Date (YYMMDD)			
Not Used	PAM12	337	<b>Time</b>		X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	PAM13	1004	<b>Percent Qualifier</b>		X	ID 1/2
			Code to qualify percent			
Not Used	PAM14	954	<b>Percent</b>		X	R 1/10
			Percentage expressed as a decimal			



**Segment:** **MSG** Message Text  
**Position:** 140  
**Loop:** BSD Optional (Must Use)  
**Level:**  
**Usage:** Optional  
**Max Use:** 1000  
**Purpose:** To provide a free form format that would allow the transmission of text information.  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.  
**Notes:** *Use this segment if you need to provide limited remarks or comments about the funds status data. Use is limited to 100 repetitions, any format is fine.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2

**Segment:** **N1** Name  
**Position:** 150  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
     1 At least one of N102 or N103 is required.  
     2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
     1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
     2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2, N3, and N4 as applicable when this information cannot be provided by using one of the codes listed in N103.*

## Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			FR Message From	
			<i>Use this code to identify the organization sending the funds status data.</i>	
			TO Message To	
			<i>Use this code to identify the organization receiving the funds status data.</i>	
			ZD Party to Receive Reports	
			The organization designated to receive reports	
			<i>Use this code to identify the organization that receives an information copy of the funds status data.</i>	
	N102	93	Name	X AN 1/35
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			10 Department of Defense Activity Address Code (DODAAC)	
			33 Commercial and Government Entity (CAGE)	
	N104	67	Identification Code	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

**Segment:** **N2** Additional Name Information  
**Position:** 160  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

*This segment should only be used when N102 is used and it is necessary to provide additional name information.*

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35



**Segment:** **N3** Address Information  
**Position:** 170  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *This segment should only be used when N102 is used.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

**Segment:** **N4 Geographic Location**  
**Position:** 180  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the USA or Canada.  
**Notes:** *This segment should only be used when N102 is used.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N401	19	City Name Free-form text for city name	O AN 2/30
Must Use	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
	N404	26	Country Code Code identifying the country	O ID 2/3
Not Used	N405	309	Location Qualifier Code identifying type of location	X ID 1/2
Not Used	N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **PER** Administrative Communications Contact

Position: 190

Loop: N1 Mandatory

Level:

Usage: Optional (Must Use)

Max Use: 10

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

*At least one repetition of the PER segment is required per transaction set to identify a contact person for the report. This should be a specific individual's name.*

## Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AA Authorized Representative	
		<i>Use this code for the sending contractor's contact person's name. This code is required.</i>	
		BD Buyer Name or Department	
		<i>Use this code to identify the sending contractor's organization or department. This code is optional.</i>	
		PP Program Manager	
		<i>Use this code to identify the receiving Program Manager or Program Office contact person's name. This code is optional.</i>	
Must Use	PER02	93 Name	O AN 1/35
		Free-form name	
		<i>1. When PER01 is code AA or PP, enter the person's name. Provide the last name, first name, and middle initial if available. Include blank spaces between name components and periods after initials. Omit the comma between the last name and first name.</i>	
		<i>2. When PER01 is code BD, enter the sending contractor's organization code or department reference.</i>	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	



		EX	Telephone Extension	
		FX	Facsimile	
		TE	Telephone	
<b>PER06</b>	<b>364</b>	<b>Communication Number</b>		<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable		
<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>		<b>X ID 2/2</b>
		Code identifying the type of communication number		
		EM	Electronic Mail	
		EX	Telephone Extension	
		FX	Facsimile	
		TE	Telephone	
<b>PER08</b>	<b>364</b>	<b>Communication Number</b>		<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable		
<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>		<b>O AN 1/20</b>
		Additional reference number or description to clarify a contact number		

*Use this data element when PER01 is code AA or PP to enter the title of the person named in PER02.*

Segment: **DTM** Date/Time Reference

Position: 200

Loop: N1 Mandatory

Level:

Usage: Optional (Must Use)

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

*This segment is required.*

#### Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		275	Approved	
			Date report was approved by contractor representative	
			<i>Use this code to indicate the date the data was approved for submission.</i>	
Must Use	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
Not Used	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **SE** Transaction Set Trailer  
Position: 210  
Loop:  
Level:  
Usage: Mandatory  
Max Use: 1  
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).  
Syntax Notes:  
Semantic Notes:  
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M NO 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>SE02 is the same number as the number in ST02.</i>	











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